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Dated: July 9, 2004

Signature: Brent E. Matthias

(Brent E. Matthias)

Attorney Docket No.: 06005/38229B  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Kenneth W. Junk, et al.

Application No.: 10/828,706

Filed: April 21, 2004

Art Unit: 2125

For: METHODS AND APPARATUS FOR  
OPERATING AND PERFORMING  
DIAGNOSTICS IN A CONTROL LOOP OF  
A CONTROL VALVE

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed within three months of the U.S. filing date (37 CFR 1.97(b)(1)).

Those patents or publications which are marked with a double asterisk (\*\*) in the attached form PTO/SB/08 (facsimile) are not supplied because they were previously submitted to the Office in prior application Nos. 10/139,008, filed May 3, 2002, and 10/644,207, filed August 20, 2003, and relied upon in this application for an earlier filing date under 35 U.S.C. 120.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Applicants believe that no fee is due at this time. However, the Director is hereby authorized to charge any fees which should have been filed herewith to our Deposit Account No. 13-2855, under Order No. 06005/38229B. A duplicate copy of this paper is enclosed.

Dated: July 9, 2004

Respectfully submitted,

By 

Brent E. Matthias

Registration No.: 41,974

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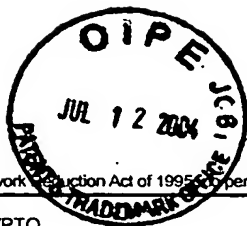
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Attorney for Applicants



PTO/SB/08a/b (08-03)  
Approved for use through 07/31/2006, OMB 0651-0031  
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<b>Substitute for form 1449A/B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANTS</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/828,706
				Filing Date	April 21, 2004
				Inventors	Junk et al.
				Art Unit	2125
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	06005/38229B

U.S. PATENT DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code <sup>2</sup> (if known)		
	**	6,131,609	10-17-2000	Metso et al.
	**	4,061,155	12-06-1977	Sopha
	**	5,806,565	09-15-1998	Kadlicko
	**	US 2002/0040284 A1	04-04-2002	Junk
	**	4,274,438	06-23-1981	La Coste
	**	4,976,546	12-11-1990	Beattie
	**	5,272,647	12-21-1993	Hayes
	**	5,425,270	06-20-1995	McDonald et al.
	**	5,966,679	10-12-1999	Snowbarger et al.
	**	6,128,541	10-03-2000	Junk
	**	6,192,321 B1	02-20-2001	Grumstrup et al.
	**	6,408,735 B1	06-25-2002	Harvey et al.

FOREIGN PATENT DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)		
	**	EP 0462432 A2	12-27-1991	Beatty et al.

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*\*CITE NO.: Those patent(s) or publication(s) which are marked with an double asterisk (\*\*) next to the Cite No. are not supplied because they were previously cited by or submitted to the Office in a prior application relied upon in this application for an earlier filing date under 35 U.S.C. 120. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANTS</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/828,706
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				Inventors	Junk et al.
				Art Unit	2125
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	06005/38229B

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	**	Beatty K: "Intelligent Valve Based Process Sensing and Control," Advances in Instrumentation and Control, Instrument Society of America, Research Triangle Park, U.S., vol. 46, no. Part 2, 1991, pages 1175-1185XP000347557, Issue No. 1054-0032.	
	**	A copy of a partial International Search Report for International application No. PCT/US03/03695, dated July 2, 2003, 7 pages.	
	**	A copy of International Search Report for International Patent Application No. PCT/US03/03695, dated September 9, 2003, 10 pages.	

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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